20. (ONCE AMENDED) The recording and/or reproducing apparatus according to claim 19, wherein the generator includes:

a write waveform controller to generate pulse width data to vary a width of a first pulse of the write pulse in accordance with the magnitude of the leading space and the magnitude of the present mark and to vary a width of a last pulse of the write pulse in accordance with the magnitude of the present mark and the magnitude of the trailing space; and

a write pulse generator to generate the adaptive write pulse in accordance with the pulse width data.

21. (ONCE AMENDED) The recording and/or reproducing apparatus according to claim 20, wherein the write waveform controller comprises a memory in which the pulse width data of the first and/or last pulses of the write pulse waveform are stored, by grouping the magnitude of the present mark and the magnitudes of the leading and/or trailing spaces, into a short pulse group, a middle pulse group or a long pulse group.

22. (ONCE AMENDED) The recording and/or reproducing apparatus according to claim 21, further comprising a microcomputer to initialize the write waveform controller and control the pulse width data stored in the memory to be updated in accordance with write conditions.

23. (ONCE AMENDED) The recording and/or reproducing apparatus according to claim 21, wherein the memory stores the pulse width data of the first and/or last pulses of a write pulse waveform depending on whether the input data is in a land track or a groove track.

24. (ONCE AMENDED) The recording and/or reproducing apparatus according to claim 21, wherein the memory stores the pulse width data of the first and/or last pulses of the write pulse waveform for respective zones on the optical recording medium.

25. (ONCE AMENDED) The recording and/or reproducing apparatus according to claim 20, wherein light power for a predetermined one of channels of the adaptive write pulse is applied during a period corresponding to a varied width of the first pulse and during a period corresponding to a varied width of the last pulse.

26. (ONCE AMENDED) The recording and/or reproducing apparatus according to claim 25, wherein a light power for the predetermined channel is a read power or a write power.

28. (ONCE AMENDED) The recording and/or reproducing apparatus according to claim 19, wherein the generator generates pulse width data by varying a rising edge of a first pulse of the write pulse in accordance with the magnitude of the leading space and the magnitude of the present mark.

29. (ONCE AMENDED) The recording and/or reproducing apparatus according to claim 19, wherein the generator generates pulse width data by varying a falling edge of a first pulse of the write pulse in accordance with the magnitude of the leading space and the magnitude of the present mark.

B2 30. (ONCE AMENDED) The recording and/or reproducing apparatus according to claim 19, wherein the generator generates pulse width data by varying a rising edge of a last pulse of the write pulse in accordance with the magnitude of the trailing space and the magnitude of the present mark.

31. (ONCE AMENDED) The recording and/or reproducing apparatus according to claim 19, wherein the generator generates pulse width data by varying a falling edge of a last pulse of the write pulse in accordance with the magnitude of the trailing space and the magnitude of the present mark.

32. (ONCE AMENDED) A recording and/or reproducing apparatus recording and/or reproducing data on a recording medium, comprising:

a generator to generate an adaptive write pulse by varying a falling edge of a first pulse of the write pulse in accordance with a magnitude of a leading space and a magnitude of a present mark, and varying a falling edge of a second pulse of the write pulse in accordance with the magnitude of a trailing space and the magnitude of the present mark; and

a driver to drive the light source according to the adaptive write pulse.

Please ADD new claims 34-37, as follows.

34. (NEW) A recording and/or reproducing apparatus recording and/or reproducing data on a recording medium, comprising:

a generator to generate an adaptive write pulse using a grouping table having width data of a first and/or last pulses of a write pulse waveform; and

a processor to process data on a recording medium,

wherein the adaptive write pulse includes a first pulse, a last pulse and a multi-pulse train.

35. (NEW) A recording and/or reproducing apparatus recording and/or reproducing data on a recording medium, comprising:

a generator to generate an adaptive write pulse using a grouping table having width data of a first and/or last pulses of a write pulse waveform according to a magnitude of a present mark of the input data and magnitudes of a leading and/or trailing spaces of the present mark; and

a processor to process data on a recording medium,

wherein the adaptive write pulse includes a first pulse, a last pulse and a multi-pulse train.

36. (NEW) A recording and/or reproducing apparatus recording and/or reproducing data on a recording medium, comprising:

a generator to generate an adaptive write pulse using a grouping table having width data of a first and/or last pulses of a write pulse waveform; and

a processor to process data on a recording medium,

wherein the adaptive write pulse includes a first pulse, a last pulse and a multi-pulse train, and is different in respective zones on the recording medium.

37. (NEW) A recording and/or reproducing apparatus recording and/or reproducing data on a recording medium, comprising:

a generator to generate an adaptive write pulse using a grouping table having width data of a first and/or last pulses of a write pulse waveform; and

a processor to process data on a recording medium.

wherein the write pulse waveform is based on whether input data is in a land track or a groove track.